

SFWMD 2010 Wet Season Rainfall

Jun 2 – July 14

DISTRICT-WIDE: 9.60" (88% of Avg, or -1.29")

1976-2005 Averages

Jun: 8.03"

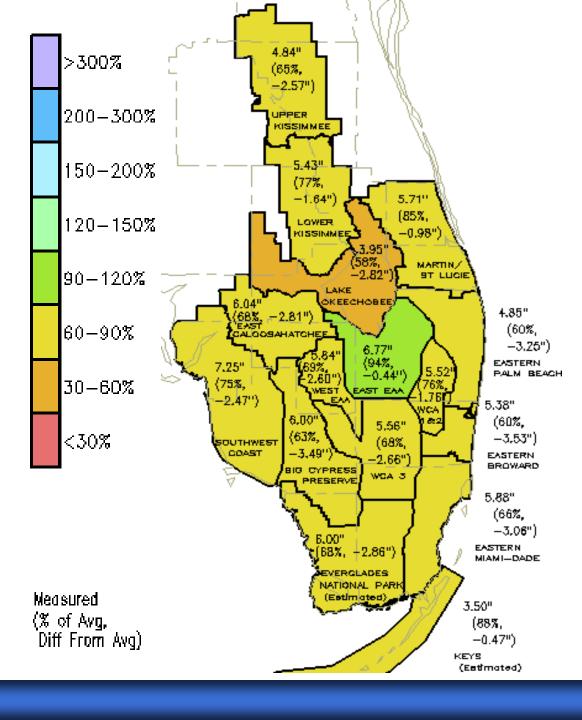
Jul: 6.83"

Aug: 7.54"

Sep: 7.05"

Oct: 3.76"

Wet Season: 33.21"



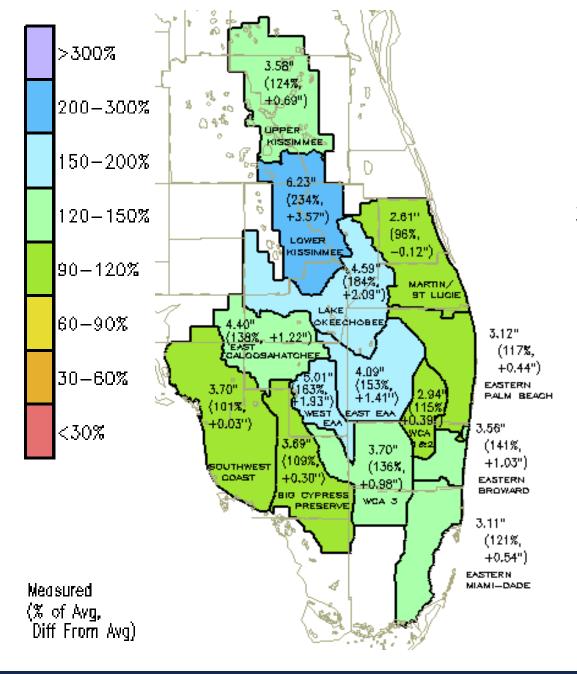
SFWMD 2010

June Rainfall

June 2 – July 1

DISTRICT-WIDE: 5.67" (71%, -2.36")

- 1.6"-2.8" below-average for Lake O and basins north
- 2.6" deficit in the Upper Kissimmee
- Near avg rainfall for EAA
- 1"-3.5" below avg rainfall for all other basins



SFWMD 2010 July Rainfall July 2 – 14

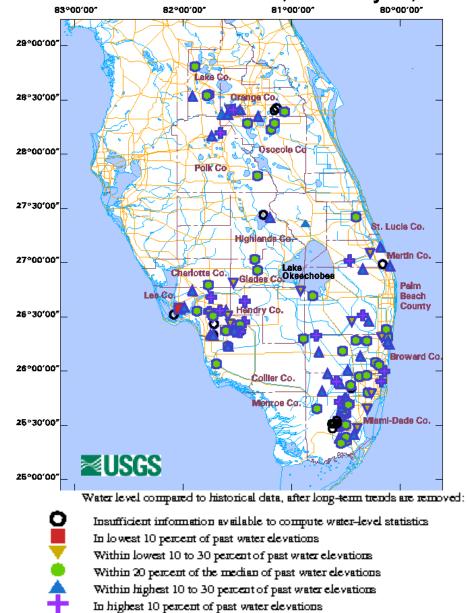
DISTRICT-WIDE: 3.93" (137%, +1.07")

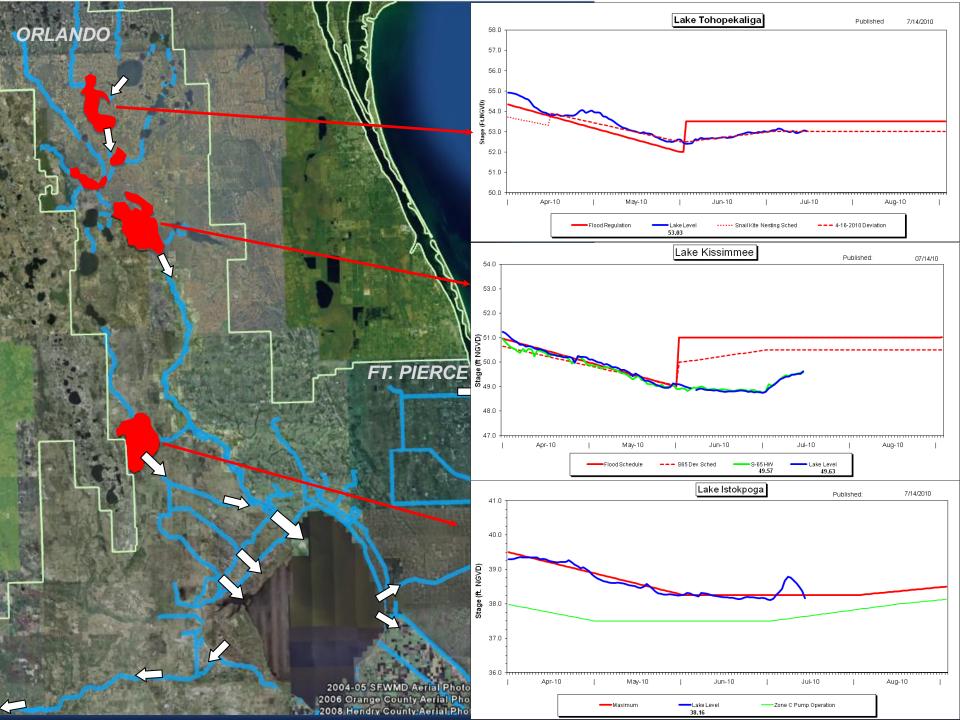
- Interior basins received above-average rainfall
- Lower Kissimee basin received 3.5" above average
- All other basins received average to slightly above-average rainfall.

Groundwater Levels& Water Supply Status

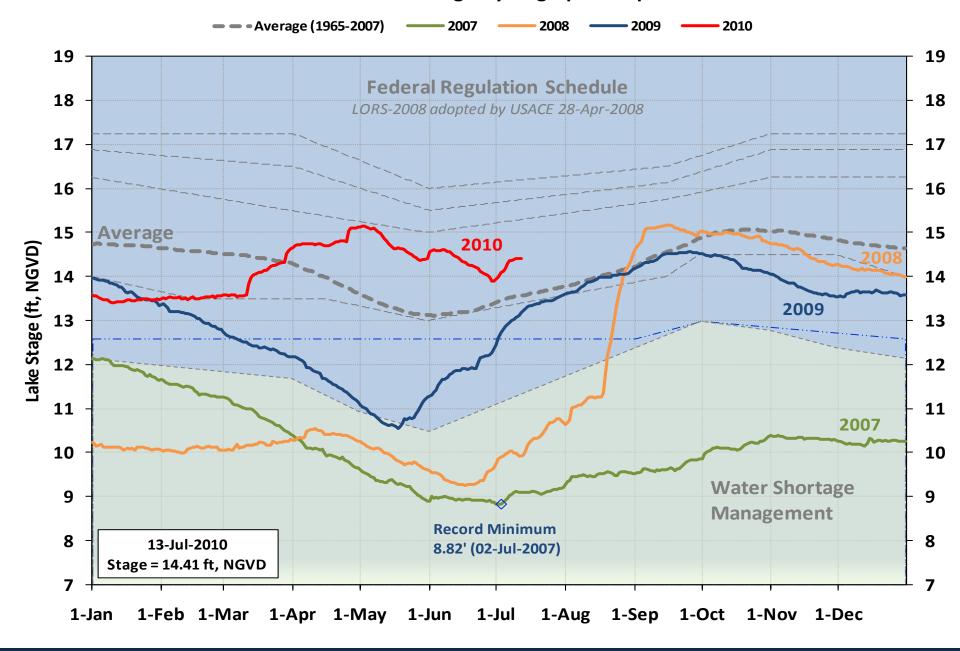
- Most groundwater well levels remain mostly near average or above-average for this time of year
- All water supply risk indicators remain in the "low" risk category

Water levels at selected sites in South Florida, Based on PROVISIONAL DATA, as of July 13, 2010.



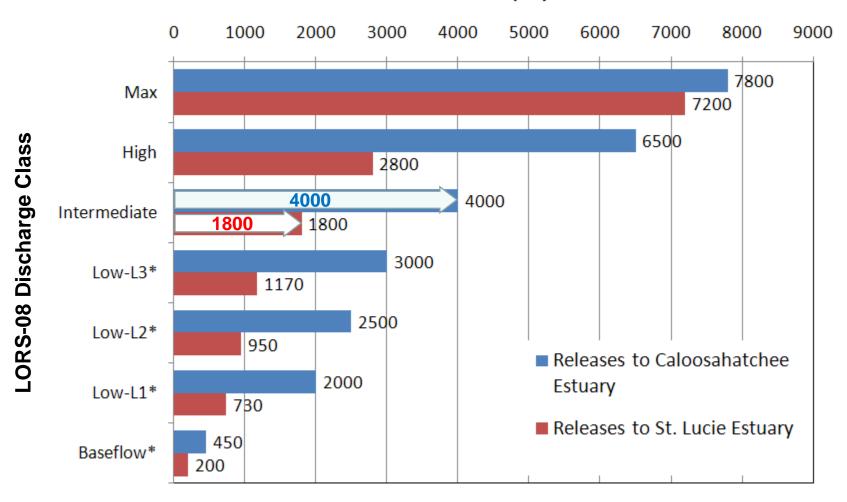


Lake Okeechobee Stage Hydrograph Comparison

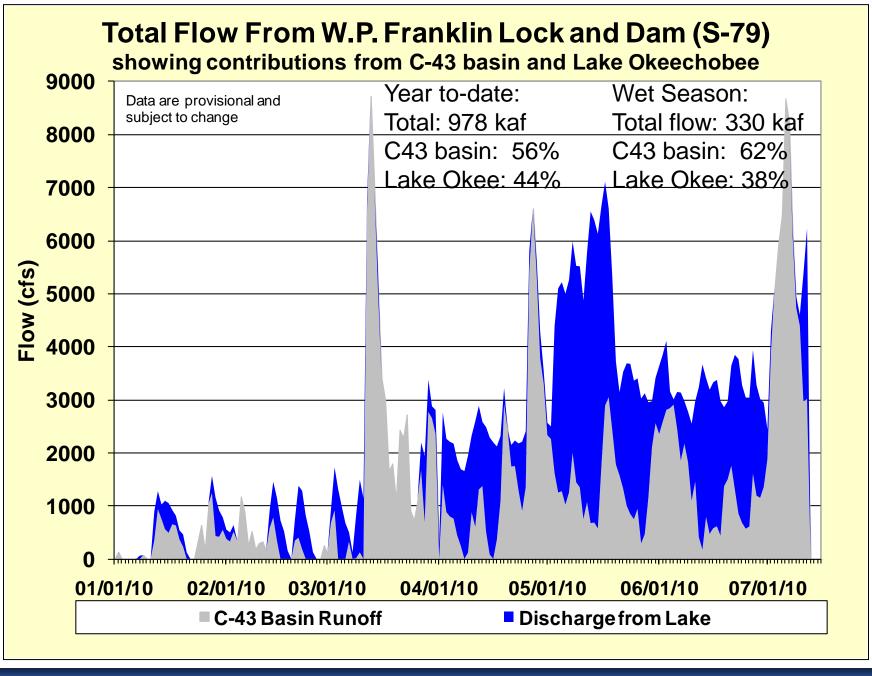


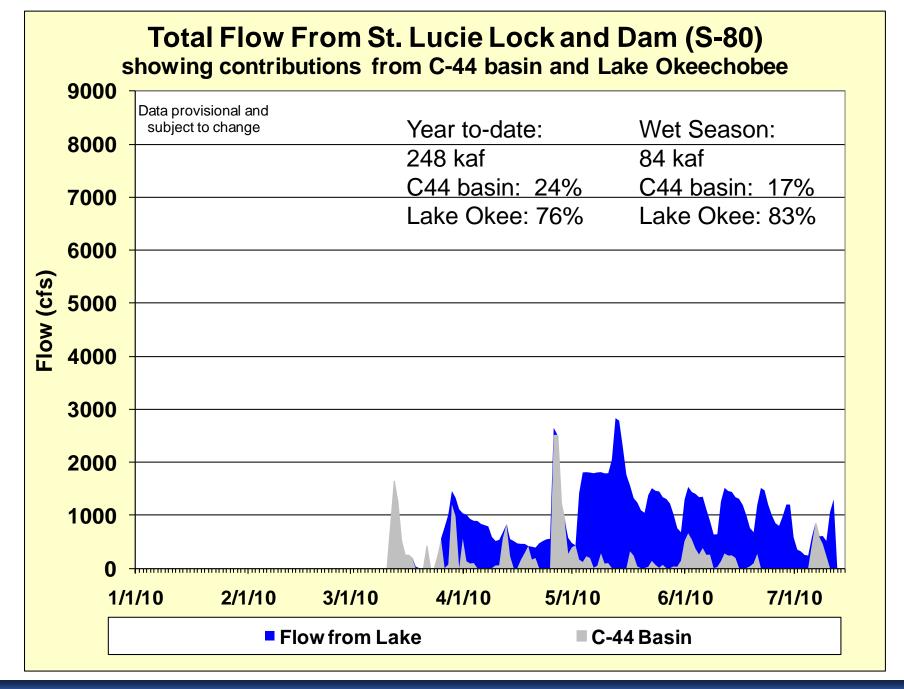
Current Release Rates

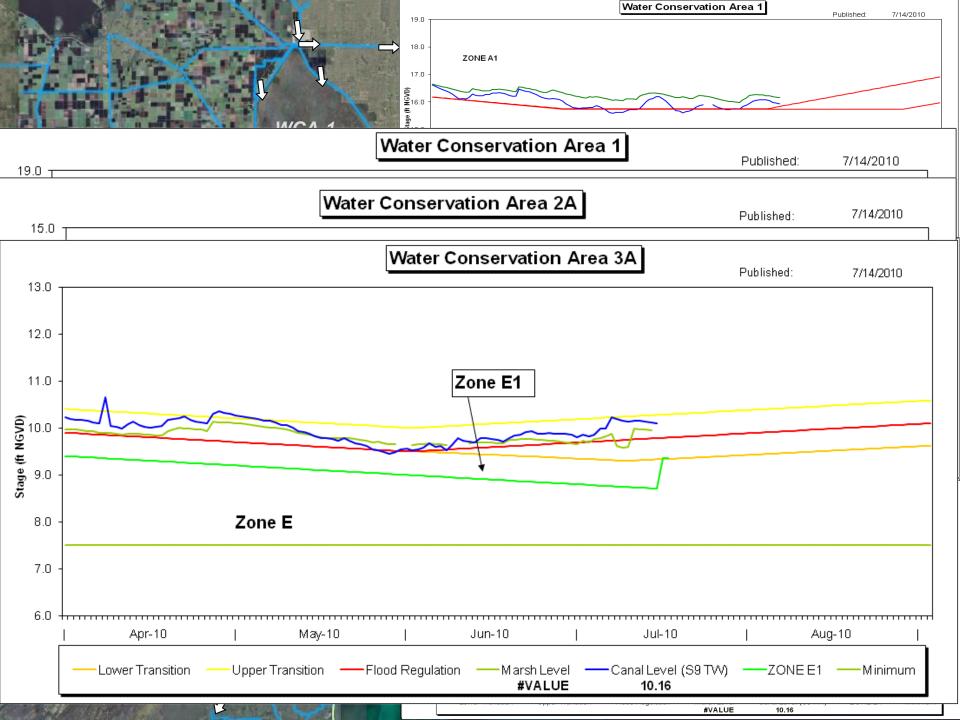
Lake Okeechobee Regulation Schedule 2008 Release Rates (cfs)



^{*} Lake O Releases in the Baseflow & Low Subbands are limited by basin runoff

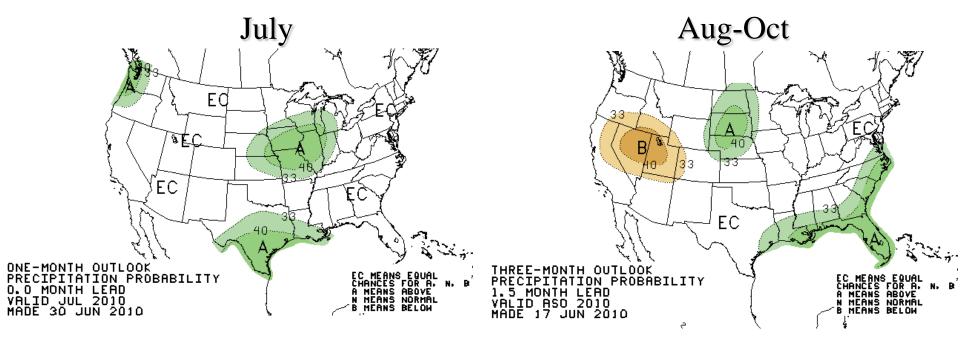






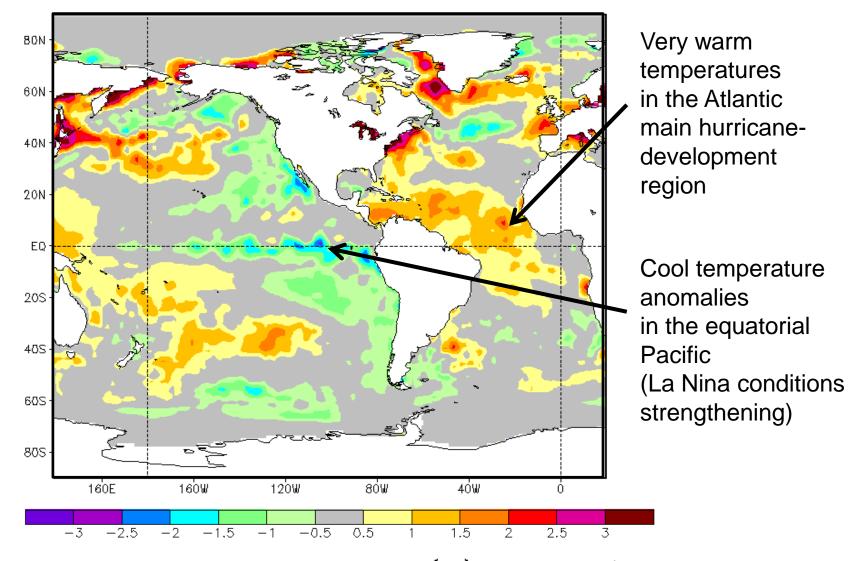
U. S. Seasonal Precipitation Outlook

National Climate Prediction Center (CPC)



- Tropical Pacific Sea-Surface temperatures continue to cool. ENSO-neutral conditions exist and are trending toward La Nina conditions developing later in the hurricane season.
- Currently the tropical Atlantic sea surface temperatures are at record warm levels for this time of the year in the main hurricane-developing region. Pre-season predictions for the Atlantic hurricane season call for a very active hurricane season.
- The current outlook for June shows equal chances of above-normal, normal, or below-normal rainfall for central and southern Florida.
- The current outlook for Aug-Oct shows increased chances of above-normal (A) rainfall for central and south Florida.

Latest Weekly Global Sea Surface Temperature Anomalies

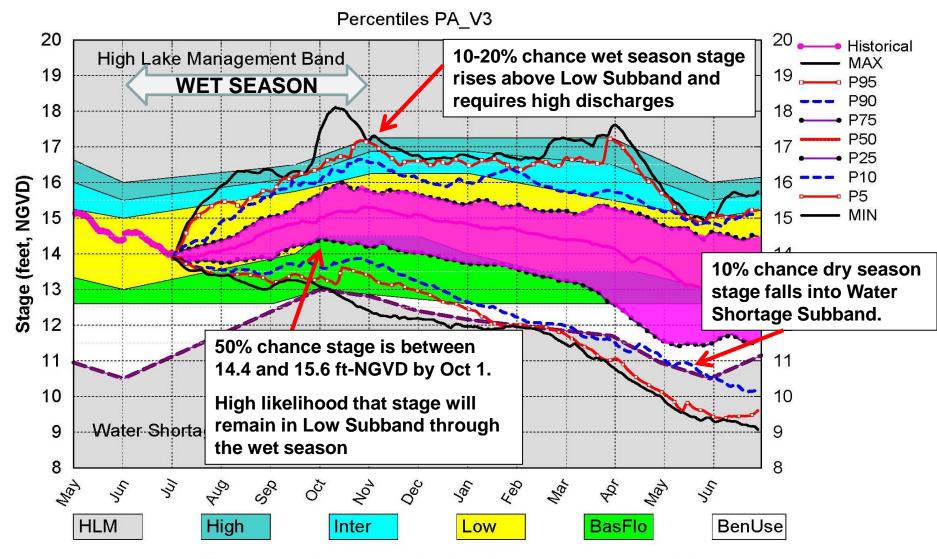


Sea Surface Temperature Anomaly (°C), Base Period 1971-2000 Week of 7 JUL 2010

Lake Okeechobee Stage Forecast

- Future Lake stage depends on future rainfall
- Projections provided monthly by SFWMD
 Hydrologic and Environmental Systems
 Modeling (HESM) Department
 Don Ketprakong, Paul Trimble, Danielle Morancy,
 Luis Cadavid, Jayantha Obeysekera
- Position Analysis
 - Each year starts with current hydrologic conditions
 - 41 1-yr simulations of system response to historical rainfall conditions
 - Statistical summaries used to display projections

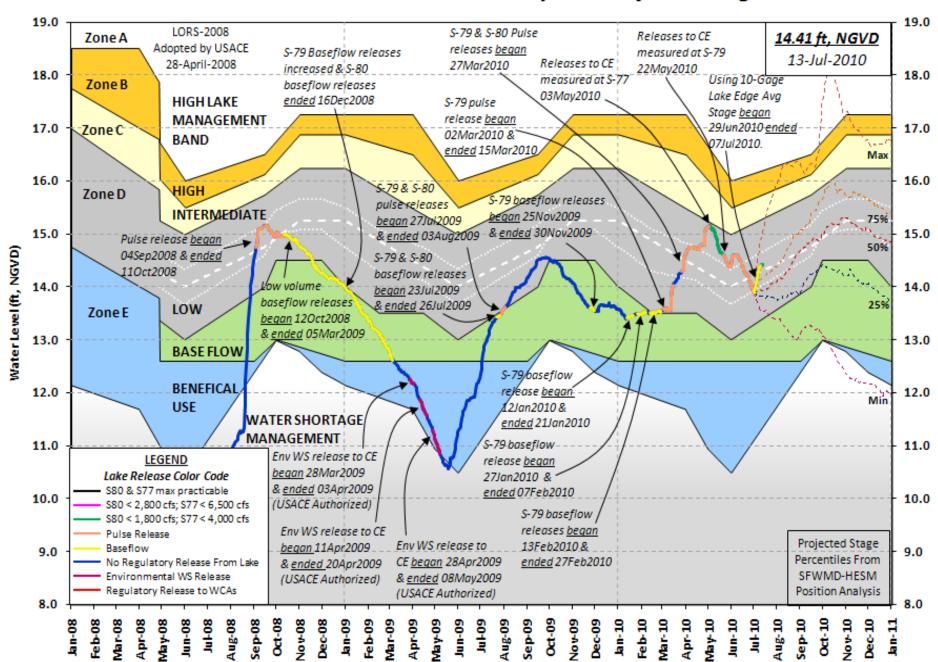
Lake Okeechobee SFWMM July 2010 Position Analysis

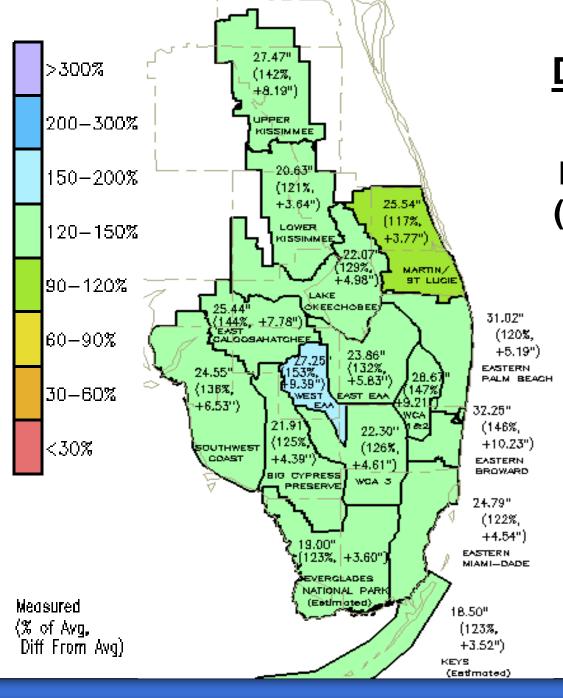


(See assumptions on the Position Analysis Results website)



Lake Okeechobee Water Level History and Projected Stages





SFWMD 2010 Dry Season Rainfall Nov 2 – Jun 1

DISTRICT-WIDE: 24.7" (131% of Avg, or +5.9")

1950-2008 Dry Season (Nov-May) Median 15.3"

(20.6" during El Nino years)

Recall Last Year's Nov-Apr Rainfall was 4.5"

Driest since records began in 1932